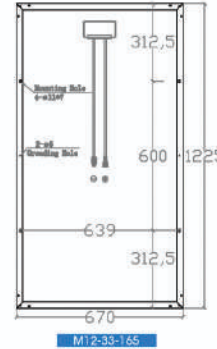


## Products Characteristics

- Widely using of the most popular and mature type of modules for off-grid system.
- Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing.
- 100% EL inspection, ensures modules are defects free.
- Cells binned by current to improve module performance.
- Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.
- Outstanding performance in low-light irradiance environments.
- Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).
- High salt and ammonia resistance.
- Positive power tolerance: 0~+5w.



### Warranty



5 year product warranty.



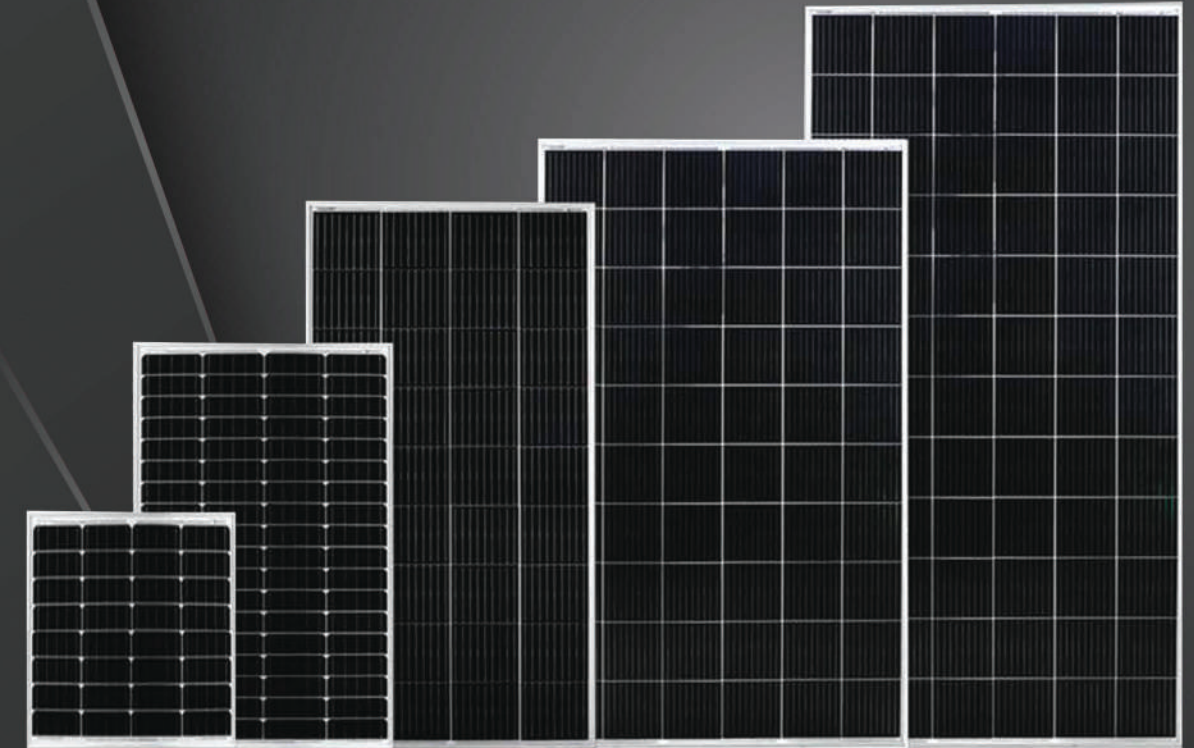
10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty.

### Comprehensive Certificates

- ◆ ISO Certificate
- ◆ SGS-TUV Certificate
- ◆ CQC Certificate
- ◆ IEC61215, IEC61730 Certificate
- ◆ CE Certificate



| Model No.                      | Pmax (W) | Dimension(mm)   | Weight (kg) | Power Tolerance | Operating Temperature | Junction-Box | Application Grade | Packing         | Cell Efficiency | Voc (V) | Vmp (V) | Isc (A) | Imp (A) | Cell Size (mm) |
|--------------------------------|----------|---|-------------|-----------------|-----------------------|--------------|-------------------|-----------------|-----------------|---------|---------|---------|---------|----------------|
| M12-66-165                     | 165W     | 1225x670x28x25  | 9.1         | 0~+5W           | -45~+80°C             | IP65/IP67    | ClassA            | 38pieces/Pallet | 22.7%           | 22.3    | 18.3    | 9.60    | 9.06    | 210x105        |
| Glass                          |          | 3.2mm Tempered Glass  |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Encapsulation                  |          | EVA   |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Backsheet                      |          | Multilayer Composite  |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Aluminium-Frame                |          | Silvery/Black Anodized aluminium alloy                      |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Cable                          |          | NA, but customized is acceptable                            |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Connector                      |          | NA, but MC4 and MC4 Compatible are acceptable               |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Maximum System Voltage         |          | 700V  |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Maximum Series Fuse            |          | 10A   |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Temperature Coefficient of Isc |          | +0.06%  |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Temperature Coefficient of Voc |          | -0.32%  |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Temperature Coefficient of Pmp |          | -0.45%  |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |
| Standard Test Condition        |          | Irradiance:1000W/M², Cell Temperature:25°C, Spectrum AM:1.5 |             |                 |                       |              |                   |                 |                 |         |         |         |         |                |



# M12-66-165

\*Specifications subject to technology and test conditions, EPEVER reserves the right of final interpretation.